

#12/632

RECEIVED

JAN 21 2003

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/001/729C

DATE: 01/16/2003 ✓

TIME: 13:45:54

Input Set : A:\CHIRON439

Output Set: N:\CRF4\01162003\J001729C.raw

4 <110> APPLICANT: Jolly, Douglas J.
 6 <120> TITLE OF INVENTION: High Efficiency Ex Vivo Transduction of
 7 Cells by High Titer Recombinant Retroviral Preparations
 10 <130> FILE REFERENCE: 20263.439
 12 <140> CURRENT APPLICATION NUMBER: 10/001,729C
 C--> 13 <141> CURRENT FILING DATE: 2001-12-11
 15 <160> NUMBER OF SEQ ID NOS: 10
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 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: cDNA
 27 <400> SEQUENCE: 1
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 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: cDNA
 38 <400> SEQUENCE: 2
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 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 35
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: cDNA
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 53 <211> LENGTH: 40
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 58 <223> OTHER INFORMATION: cDNA
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 63 <210> SEQ ID NO: 5
 64 <211> LENGTH: 27
 65 <212> TYPE: DNA

ENTERED

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75 <211> LENGTH: 27
76 <212> TYPE: DNA
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87 <212> TYPE: DNA
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90 <220> FEATURE:
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96 <210> SEQ ID NO: 8
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98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
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105 ataaatagaa ggcctgatat g 21
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VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/001,729C**

DATE: 01/16/2003

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Input Set : **A:\CHIRON439**

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date